

PCT
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Shou TAKASHIMA et al.

Group Art Unit : Not Yet Assigned

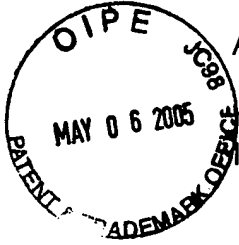
Appl. No. : 10/501,930 ✓
(U.S. National Stage of PCT/JP03/00883)

Examiner : Not Yet Assigned

I.A. Filed : January 30, 2003

Confirmation No. : 2173

For : GLYCOSYLATING ENZYME



INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
U.S. Patent and Trademark Office
Customer Service Window, Mail Stop AMENDMENT
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Sir :

In accordance with the duty of disclosure under 37 C.F.R. §1.56 and §§1.97-1.98, Applicants hereby bring the following information to the attention of the Examiner in charge of the above-identified application, which includes information cited and discussed in the specification, the International Search Report, the International Preliminary Examination Report, and the Written Opinion issued in connection with International Patent Application No. PCT/JP03/00883, of which the present application is the U.S. National Stage Application. Copies of the International Search Report (in English and Japanese), the International Preliminary Examination Report (in Japanese), and the Written Opinion (in Japanese) were enclosed with the papers when entering the National Stage on July 29, 2004. A copy of the International Preliminary

Examination Report in English is attached hereto. The Examiner is invited to review these materials to inspect the relevance indicated during international examination with respect to the documents cited therein. The following is a list of the documents cited in the above-noted documents:

S. TSUJI, J. Biochem., Vol. 120, pp. 1-13, 1996. Applicants note that this document is cited on page 2 of the specification of the present application;

A. YAMAMOTO et al., J. Neurochem., Vol. 66, pp. 26-34, 1996.
Applicants note that this document is cited on page 2 of the specification of the present application;

N. KOJIMA et al., FEBS Lett., Vol. 360, pp. 1-4, 1995. Applicants note that this document is cited on pages 2, 32, and 41 of the specification of the present application;

Y. YOSHIDA et al., J. Biol. Chem., Vol. 270, pp. 14628-14633, 1995.
Applicants note that this document is cited on page 2 of the specification of the present application;

Y. YOSHIDA et al., J. Biochem., Vol. 118, pp. 658-664, 1995. Applicants note that this document is cited on page 2 of the specification of the present application;

M. KONO et al., J. Biol. Chem., Vol. 271, pp. 29366-29371, 1996.
Applicants note that this document is cited on page 2 of the specification of the present application;

M. SUZUKI et al., *Glycobiology*, Vol. 10, pp. 1113, 2000. Applicants note that this document is cited on page 2 of the specification of the present application;

C. SATO et al., *J. Biol. Chem.*, Vol. 276, pp. 28849-28856, 2001. Applicants note that this document is cited on page 2 of the specification of the present application;

T. HAMAMOTO et al., *Handbook of Glycotransferases and Related Genes*, N. TANIGUCHI et al. eds., pp. 295-300, 2001. Applicants note that this document is cited on page 3 of the specification of the present application;

D.I. ISRAEL, *Nucleic Acids Res.*, Vol. 21, pp. 2627-2631, 1993. Applicants note that this document is cited on page 21 of the specification of the present application;

J.C. PAULSON et al., *J. Biol. Chem.*, Vol. 264, pp. 17615-17618, 1989. Applicants note that this document is cited on page 22 of the specification of the present application;

J. KYTE et al., *J. Mol. Biol.*, Vol. 157, pp. 105-132, 1982. Applicants note that this document is cited on page 22 of the specification of the present application;

International Patent Application No. PCT/JP94/02182, which published as International Patent Application Publication No. WO 95/18217, together with patent family member U.S. Patent No. 5,854,042. Applicants note that this document is cited on page 22 of the specification of the present application;

S.A. JOBLING et al., Nature, Vol. 325, pp. 622-625, 1987. Applicants note that this document is cited on page 22 of the specification of the present application;

Y.C. LEE et al., J. Biol. Chem., Vol. 274, pp. 11958-11967, 1999. Applicants note that this document is cited on pages 32 and 42 of the specification of the present application;

M. SAITO et al., Biochim. Biophys. Acta., Vol. 1523, pp. 230-235, 2000. Applicants note that this document is cited on page 36 of the specification of the present application;

GENBANK Accession No. AAG66954;

S. TAKASHIMA et al., J. Biol. Chem., Vol. 227, pp. 24030-24038;

GENBANK Accession No. AJ512141;

N. KUROSAWA et al., Eur. J. Biochem., Vol. 219, pp. 375-381;

K. SASAKI et al., J. Biol. Chem., Vol. 269, pp. 15950-15956;

J. WEINSTEIN et al., J. Biol. Chem., Vol. 257, pp. 13845-13853; and

K.B. WLASICHUK et al., J. Biol. Chem., Vol. 268, pp. 13971-13977.

Applicants note that the Notice of Missing Requirements indicates that the U.S. Patent and Trademark Office has received copies of the references cited in the International Search Report. Therefore, copies of these documents are not being submitted herewith. However, if any copies of these documents are needed, the Examiner is respectfully requested to contact the undersigned.

Copies of the documents cited in the specification are enclosed together with a duly completed Form PTO-1449. The Examiner is accordingly requested

to consider each of these documents, and to make them of record in this application by initialing in the appropriate spaces on the Form PTO-1449. Applicants respectfully request that the Examiner include a copy of the initialed Form PTO-1449 with the next communication from the U.S. Patent and Trademark Office.

Applicants note that an Office Action on the merits has not issued in the present application, and thus no fee is believed necessary to ensure consideration of the submitted material. However, if an Office Action on the merits has issued and is crossing this statement in the mail, the undersigned hereby authorizes the Commissioner to charge any fee necessary for the consideration of this statement, including any payment under 37 C.F.R. §1.17 (p) to Deposit Account No. 19-0089.

Should there be any questions, the Examiner is invited to contact the undersigned at the below-listed telephone number.

Respectfully Submitted,
Shou TAKASHIMA et al.



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FORM PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
P25687Application No.
10/501,930INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(Use several sheets if necessary)

Applicant
Shou TAKASHIMA et al.Filing Date
January 30, 2003Group
Not Yet assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5 8 5 4 0 4 2	12/29/98	TSUJI et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
95	/ 1 8 2 1 7	07/06/95	W.I.P.O			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	1	S. TSUJI, J. Biochem., Vol. 120, pp. 1-13, 1996.
	2	A. YAMAMOTO et al., J. Neurochem., Vol. 66, pp. 26-34, 1996.
	3	N. KOJIMA et al., FEBS Lett., Vol. 360, pp. 1-4, 1995.
	4	Y. YOSHIDA et al., J. Biol. Chem., Vol. 270, pp. 14628-14633, 1995.
	5	Y. YOSHIDA et al., J. Biochem., Vol. 118, pp. 658-664, 1995.
	6	M. KONO et al., J. Biol. Chem., Vol. 271, pp. 29366-29371, 1996.
	7	M. SUZUKI et al., Glycobiology, Vol. 10, pp. 1113, 2000.
	8	C. SATO et al., J. Biol. Chem., Vol. 276, pp. 28849-28856, 2001.
	9	T. HAMAMOTO et al., Handbook of Glycotransferases and Related Genes, N. TANIGUCHI et al. eds., pp. 295-300, 2001.
1	0	D.I. ISRAEL, Nucleic Acids Res., Vol. 21, pp. 2627-2631, 1993.
1	1	J.C. PAULSON et al., J. Biol. Chem., Vol. 264, pp. 17615-17618, 1989.
1	2	J. KYTE et al., J. Mol. Biol., Vol. 157, pp. 105-132, 1982.
1	3	S.A. JOBLING et al., Nature, Vol. 325, pp. 622-625, 1987.
1	4	Y.C. LEE et al., J. Biol. Chem., Vol. 274, pp. 11958-11967, 1999.
1	5	M. SAITO et al., Biochim. Biophys. Acta., Vol. 1523, pp. 230-235, 2000.
1	6	GENBANK Accession No. AAG66954;
1	7	S. TAKASHIMA et al., J. Biol. Chem., Vol. 272, pp. 24030-24038.
1	8	GENBANK Accession No. AJ512141.
1	9	N. KUROSAWA et al., Eur. J. Biochem., Vol. 219, pp. 375-381;
2	0	K. SASAKI et al., J. Biol. Chem., Vol. 269, pp. 15950-15956.
2	1	J. WEINSTEIN et al., J. Biol. Chem., Vol. 257, pp. 13845-13853.
2	2	K.B. WLASICHUK et al., J. Biol. Chem., Vol. 268, pp. 13971-13977.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.